

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S9  | 1   | 2005-074879.NRAN.  | DERWENT   | OR | ON  | 2007/11/16 18:45 |
| S10 | 835 | otani.in. and (oxidation or catalyst)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/16 18:46 |
| S11 | 11  | ("3959764"   "4123225"   "4126580"<br>  "4421720"   "4817414"  <br>"4818977"   "5017340"   "5055269"<br>  "5616850"   "5629474"  <br>"5635136").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/11/16 18:49 |
| S12 | 161 | ("3092799"   "3138948"   "3166901"<br>  "3549329"   "3564474"  <br>"3644795"   "3883307"   "3900428"<br>  "3901067"   "3901828"  <br>"3907968"   "3933431"   "3955268"<br>  "3959764"   "3989463"  <br>"3997837"   "4000089"   "4007435"<br>  "4028057"   "4036592"  <br>"4043305"   "4080821"   "4123225"<br>  "4164539"   "4164699"  <br>"4305724"   "4347732"   "4388272"<br>  "4453151"   "4453397"  <br>"4457161"   "4469626"   "4533520"<br>  "4575141"   "4601914"  <br>"4686847"   "4697165"   "4703646"<br>  "4724008"   "4786476"  <br>"4828673"   "4883959"   "4953387"<br>  "4958514"   "5086286"  <br>"5296196"   "5386715").PN. OR<br>("3959764"   "4123225"   "4126580"<br>  "4421720"   "4818977"  <br>"5017340"   "5629474"  <br>"5635136").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/11/16 18:57 |
| S13 | 97  | pellistor and catalyst   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/19 15:00 |
| S14 | 25  | ("3200011"   "4045177"   "4068021"<br>  "4111658"   "4123225"  <br>"4132673"   "4303612"  <br>"4402996").PN. OR ("4303612"  <br>"4464339"   "6019946").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/11/19 16:51 |
| S15 | 20  | S14 not S13  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/11/19 17:54 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S16 | 2   | ("3117843").PN.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/19 18:23 |
| S17 | 386 | ((422/95) or (422/97)).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/19 18:24 |
| S18 | 964 | ((73/25.05) or (73/25.03) or (73/25.01)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/19 18:24 |
| S19 | 127 | S18 and catalyst                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/19 18:24 |
| S20 | 337 | S17 not (S13 or S14 or S19)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/19 18:24 |
| S21 | 2   | "20050164531"                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/20 10:15 |

## EAST Search History

| Ref # | Hits | Search Query                                   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 964  | ((73/25.05) or (73/25.03) or (73/25.01)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:27 |
| S2    | 127  | S1 and catalyst                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/19 14:59 |
| S3    | 13   | S2 and (catalyst same percent)                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/16 18:28 |
| S4    | 52   | S1 and (pt or pt or pto or pdo)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:31 |
| S5    | 158  | S2 or S4                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:41 |
| S6    | 2    | "20060133962"                                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:42 |
| S7    | 503  | otani.in. and catalyst                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:46 |
| S8    | 11   | otani.in. and catalyst and (gas adj sensor)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2007/11/16 18:43 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 184  | (fuel adj cell) and (exhaust with sensor with (hydrogen or silicon)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 13:06 |
| L2    | 48   | I1 and (catalyst same (pt or platinum))                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 13:15 |
| L3    | 36   | I1 and (catalyst same (pt or platinum)) and polymer                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 13:16 |
| L4    | 3    | I1 and (catalyst same (pt or platinum)) and polymer and (silicon)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/11/20 13:16 |